FOREWORD

The 2001 Thermal and Fluids Analysis Workshop (TFAWS) was held from September 10–14 at the Tom Bevill Center, The University of Alabama in Huntsville, Huntsville, Alabama. Organized by Marshall Space Flight Center, the theme of this year's workshop was "Engineering Excellence and Advances in the New Millenium." This yearly workshop focused on applications of themal and fluids analysis in the aerospace field. Its purpose is to bring industry, academia, and Government together to share information and exchange ideas about analysis tools and methods. We had a successful workshop despite the terrible tragedy of September 11 that shook our Nation during the week.

Paper sessions were classified into four categories: Thermal Spacecraft/Payload, Thermal Propulsion/Launch Vehicles, Interdisciplinary, and Fluids. One of the highlights of this year's workshop was to include a general session on TPSX material database and a panel discussion on Multidisciplinary Analysis.

There were several hands-on classes on Thermal and Fluid Flow software including grid generation and solid modeling. In addition, several short courses and product overview lectures were delivered during the workshop. This document, however, only includes the papers from four paper sessions and panel discussions on Multidisciplinary Analysis (http://tfaws01.msfc.nasa.gov/).

The organizers of this year's workshop consider it a privilege to participate in such an event. I would like to thank all the authors, presenters, and industry representatives who contributed to this year's success.

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